

## Thanksgiving Eve Dance To Be Given By The 5:15 Club

**Manly Beauty Contest To Pick  
Handsome Man Present  
At Holiday Dance**

**Turkey Will Award Itself  
In New Popularity Contest**

**Dance Is Free To All Members  
Of 5:15 Club; \$1.00  
To All Others**

The commuters' Thanksgiving Dance held by the 5:15 Club, will begin at 9 o'clock tomorrow evening and will last until 2 o'clock Thursday morning. Dancing will be conducted in the Main Hall at Walker, and the Lounges will be open to the less energetic couples.

The dance will be dedicated to the glorification of the American boy through a manly beauty contest. The chaperones, acting as judges, will pick the handsomest, six or eight of the boys present and the winner will be chosen from these by popular acclaim, judged by a noise meter. The winner will receive a prize which will be announced at the dance.

The girls, however, will receive their share of attention in a popularity contest judged by the turkey and their own initiative. The couples which frequent the halls and lounges of Walker may, if they are diligent enough, find little cards with turkey stickers thereon; the couples which find the largest number of cards will be eligible for the finals to be decided

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5:15 Club

## "Tech" Holds Guessing Contest For Crusting Date of Charles Basin

**Guesses To Be In By Dec. 2  
Statistics For Former  
Years Given**

When will the first ice appear in the Charles River Basin this winter? The observant person walking over the West Boston Bridge should notice a thin crust along the shore about December 9 according to computations made from statistics over a long period of years. From as far back as 1925 the freezing up has run from December 4 to December 16, and these dates are by no means exceptional. Therefore we might well expect the first crust this winter to appear somewhere within this rather wide range of dates.

The Tech is going to hold a guessing contest in regard to the freezing up date this winter. Free theatre passes will be awarded the first three to those students sending in the correct guess before December 2. Here are the statistics from 1925 on: 1925, December 16; 1926, Decem-

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Charles River Freezing Up

## Institute Committee Census Shows Interest In Sailing

The number of affirmative answers received for each of the questions on the Institute Committee's sailing census follow:

Have you experience in sailing?	321
Were you given formal instructions?	97
Would you enter sailing races	314
Have you given sailing lessons?	82
Would you assist in sailing instructions?	152
Do you desire instruction in sailing?	376
Would you attend weekly lectures?	431
Do you desire practice in sailing?	341
Would you give 2 hours per week to practice?	462
Can you swim?	566
Do you favor sailing at Tech?	448
Will you attend a mass meeting for further details?	472

## Wellesley-Tech Concert Is Held

**Mr. Felix Fox, Famous Pianist,  
Featured In Gathering  
Last Sunday**

About four hundred Technology men and their friends were entertained in Walker Memorial last Sunday by the M.I.T. Glee Club, the Wellesley Choir, and Mr. Felix Fox.

Mr. Fox, an artist of international reputation and the featured soloist of the concert, presented a group of five piano selections.

The program contained two groups of selections sung jointly by the Wellesley Choir and the M.I.T. Glee Club and conducted by Edward B. Greene, leader of the Wellesley Choir. Coach "Billy" Weston directed the M.I.T. Glee Club in a group of two songs. Tea was served after the concert and the Dormitories observed open house from 2 to 7 o'clock.

This joint concert, sponsored by the Faculty Club, the Graduate House, and the Dormitories, was a repetition of a similar affair last year and has proved so popular that it will probably become a custom in future years.

## Bard's Club Dance Held For Freshmen

**Musical Mariners Will Play At  
Hotel Brunswick**

The first annual Bards' Club Freshman Winter dance will be held Friday, December 13 in the Brunswick Hotel. The dance will feature the Musical Mariners, an orchestra which made quite a name for itself while playing at the Fo'castle in Marblehead last summer.

The Bards Club is an intercollegiate organization which is promoting this

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Bards Club Dance

## Banquet Given By Tau Beta Pi For 20 Initiates

**Mr. Theodore Smith Addresses  
Twenty New Members  
On Ethiopia**

**Initiation At Engineers Club**

"The success of the application of sanctions on Italy by the League of Nations depends on the United States," said Mr. T. Smith at the initiation banquet of the Tau Beta Pi, national honorary engineering fraternity, at the Engineers Club last night.

Nineteen men selected from the upper fourth of the Senior Class and the upper eighth of the Junior Class, who, in the opinion of the officers of Tau Beta Pi, have the greatest professional promise, the highest scholastic standing, and are most prominent in activities.

The following men were initiated: Class of 1936; John C. Austin, Ford M. Boulware, George F. Crumme, John A. Easton, Jr., Martin A. Gilman, Harry B. Hazelton, Jr., Walter K. MacAdam, Claxton Monroe, Jr., James F. Patterson, Frank L. Phillips, Emanuel Rapoport, William R. Saylor, Walter Squires, Jr., Thomas A. Terry, Jr., George Trimble, Jr., James L. Vaughan, Ieu L. Wu. Class of 1937; Allen V. Hazeltine, George B. Wemple Lt. Julius K. Lacey of Tennessee University, '27 who is now a graduate student, was also accepted as a member.

Mr. Theodore Smith said that the League of Nations has put no sanction on Ethiopia.

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Tau Beta Pi

## Tech Terrors Trounce Phosphorus Inebriates In Sunday Grid Farce

**Staggering Cats Can Not Kick  
Ball As Newsies Play  
In Burlap Bags**

Completely overpowering a bewildered and well "soused" Voo Doo eleven, the strong, sturdy, upright lads of The Tech scored a decisive 26-6 gridiron victory over the alley-cat disciples of Walker on the Institute field Sunday.

The Tech Terrors, as they are justly called, scored at will, and only because after the first few minutes they used only their fourth and fifth teams was the score kept so low.

The Tech won the toss and elected to receive. After four staggering attempts to kick the ball Voo Doo gave up and their one sober substitute was called in to kick-off. Jervis Webb

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Tech Voo Doo

## At A Glance The Heart of the News

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## Tech Union Speaker



Professor F. Alexander Magoun

## Technology Loses Debate With B. C.

**Federal Aid To Education Was  
Subject For Argument  
Last Friday**

The affirmative team of Technology's debating team lost the debate with the Boston College team last Friday over the question: "Resolved, That the Federal government should grant aid to the several states for equalizing educational opportunities for primary and secondary schools."

The affirmative contended that there was a pressing need for Federal aid immediately if the present educational system is to survive. Boston College's team maintained that the several states are fully capable of instituting adequate educational facilities, therefore the government would not be forced to aid them.

Tech was represented by: Howard Schlansker, '38; Philip Scarito, '37; and Paul W. Stevens, '37. The speakers on the winning team were: John Donlan, '36; Robert Russell, '37; and Brandon Shay, '37. Mr. William Pierce and Mr. Joseph Hobbs of the Boston Latin School, and Miss Madeline Quint of the Girl's Latin School acted as judges last Friday.

## Institute Celebrates Birthday of Carnegie

**Generosity Aids Institute In  
Carrying On Research**

All educational institutions, research foundations and libraries which have benefited by the generosity of the late Andrew Carnegie united yesterday in celebration of the 100th anniversary of the birth of their benefactor, who regarded his great wealth as a trust to be administered for the benefit of mankind.

The Institute is among the many which, through financial grants, have been able to carry on important research.

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Carnegie Institute

## Activities, Study, Money, Topic Of Tech Union Debate

**Professor Magoun, Rapoport,  
Haynes, Argue Relative  
Merits Of Each**

**Open Forum Discussion Will  
Follow The Three Speeches**

**Three Objectives Of Life Are  
Studies, Wealth, and  
Personality**

A three cornered debate will be conducted by the Tech Union tonight at 8 o'clock in Eastman Hall, when Professor F. Alexander Magoun, Emanuel Rapoport, '36, and Wilberforce W. Haynes, '38, will uphold the respective merits of activities, "brown-bagging," and wealth. The open forum discussion following the three speeches will give everyone a chance to express his views on this subject. Claxton Monroe, Jr., '36, will preside.

Professor Magoun, of the division of General Studies, is well known as an exponent of the value of activities as a means of developing the personality and the human relations of the individual.

Emanuel Rapoport, '36, will show the value of the pursuit of professional studies. He is a member of The Tech editorial board and of Tau Beta Pi.

Wilberforce W. Haynes, '38, will tell the audience that money is the thing to work for.

## December T. E. N. To Announce Brainstorm Contest Winner Today

**Winning Device Warns Motorist  
Of Low Tire Pressure;  
Emits Squeaks**

The results of The Freshman Brainstorm Contest will be announced in the December issue of the Tech Engineering News, which will be on sale in the Main Lobby today, Tuesday, November 26. There was considerable difficulty in selecting the winners, as there were numerous ideas which lacked originality.

There are four articles featured in this issue, Colloids, by Professor Hauser, deals with the little known subject of colloidal chemistry and its commercial application. A history of the development of the dinosaur, through the geological ages, is ably presented by Paul Shirley, '38, in Dinosaurs. The magazine's series of articles on the commercial application of the rare metals is continued with Titanium Pigments, and Lateral Pressures in Retaining Walls presents a new approach to the theory and practice of calculating pressures, which has never been published before.

The Editorials this month feature the present diplomatic tension between

(Continued on Page 5)  
T. E. N. Brainstorm Contest

## Stratton Prize Contest Entries Must Reach Officials Before Christmas

Entries for the Stratton Prize Contest, an annual feature of Class Day under the supervision of the Combined Professional Societies must be in the hands of the presidents of the Professional Society to which they belong or of William H. Austin, '37, chairman of the committee in charge, before Christmas Vacation. These entries consist of the names of the contestants and the topics of their papers.

The Stratton Prize Contest is open to all undergraduates, whether members of Professional Societies or not. The competition was established in 1930 by the late President Samuel

W. Stratton, and at his death a fund was established to perpetuate the contest. Prizes of fifty, thirty, and twenty dollars are offered for talks not to exceed fifteen minutes on some technical subject. These talks may be illustrated by slides, charts, or actual demonstrations. It is emphasized by the committee in charge that the main object of the contest is not only to afford a chance to prepare a technical report but also to afford invaluable practice in presenting it. It is a close approach to actual experience outside of school.

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Stratton Prize

## Professor Tucker Expresses His Views Of Housing and Housing Conditions

Claiming that he can build a six-room house for \$3600, Professor Ross F. Tucker, head of the Building Construction Department, who was recently appointed by the Chamber of Commerce in Washington to serve on a committee investigating the housing problem, has some original ideas on housing.

Professor Tucker's study of housing conditions in the United States has led him to formulate the following "planks", which he intends to submit to the committee when it meets:

1. Slum conditions must be obliterated.

2. Blighted areas must be renovated
3. Houses must be built for the middle income group.

The goal of this group is to find the answer to the housing problem in addition to investigating the existing conditions. More specifically, as is stated in a letter addressed to Professor Tucker from Washington, this committee is: "to consider the relationship of government activities in the housing field to private enterprise with a view to analyzing present

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Tucker



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## HUMANIZING TECHNOLOGY

### PUBLIC RELATIONS FOR THE STUDENT

ONE of the things this department has been campaigning for consistently is the establishment of closer, more cordial, and more personal relationships between students and Faculty. It seems that this aim is finding increasing favor with the heads of various departments and that more is going to be done along these lines as time goes on.

One of the pioneers in this movement to "humanize" the Institute is the Department of Business and Engineering Administration. Its latest contribution in this direction is a series of informal dinner meetings of small groups of Seniors with two members of the department and an outside guest, a person prominent in industry or commerce, where everyone has the opportunity to meet everyone else, to discuss questions of interest and to convince himself that a "prof" can be more than an "easy marker" or "slave driver" (as the case may be). This innovation which originated with Professor Fiske who is in charge of the arrangements has met with such hearty approval from the Seniors of the course that it is certain to be made a permanent activity.

The Department of Mechanical Engineering is next in line for honorable mention. A program of student councils to start in the Sophomore year aims at the development of "more cordial and effective relationships between staff and students . . . includes a series of meetings to help orient the student in mechanical engineering, visits to industrial plants, talks by practising engineers, and social contact with members of the departmental staff away from the class room."

A spread of this attitude throughout the Institute would be of greatest value to students, industry, and Technology. To the student such extra-curricular activities will prove that the Institute is more than a hot region to which earthly sinners are being sent for the rest of their immortal lives, will show him how theory and practice are reconciled in industry, and last but not least, will make him feel like something more than a mere unit product in the output of a great factory. It is clear that in institutions of larger size such close relationships could never exist even if conscious efforts would be made to effect them.

Industry is bound to benefit because of the better appreciation of the work done at the Institute, and of the calibre of its prospective graduates. And who would doubt that the establishment of a more sociable atmosphere at the Institute can add greatly to its other attractive features?

## SOCIAL REGISTER

### JAMES CONANT AND BARBARA HUTTON

THE 1936 edition of the Social Register has just been published, and all the newspapers are busily engaged discovering what new celebrities have been added to or dropped from the list of the blue bloods. They find, for example, that President Conant of Harvard has finally been recognized, while Barbara Hutton is no longer considered one of the "400".

All of which occasions a tremendously disinterested feeling of so-whatness among us "commons". We cannot appreciate that the prestige of the Harvard president has been increased one iota, nor that the wealth of the Woolworth heiress has been affected to even a detectable amount. James Conant has

won fame and recognition through his enviable record as president of one of world's greatest educational institutions. Barbara Hutton has become widely known through her fabulous wealth as well as her notorious marriages. All the favor or condemnation of all the social, or socialist registers in the world cannot change these facts.

Renown in this world is not measured by whether one is lauded or spurned by the social register. It is more important, in our opinion, for the embryo engineer to think in terms of scientific achievement—these things last. The world remembers the men who achieve success in their fields of endeavor. What socially prominent persons of the last century are, by virtue of that prominence alone, entitled to a place in history? Such prominence is far too insignificant to be deserving of permanent recognition.

Celebrities in the social register come and go, but the flow of life is undisturbed. Despite tabulations by the elite, lasting fame may still be obtained by the old formula—"work".

## A MORAL HOLLYWOOD

### CLEANS THE FILMS

NEW heights, we are told, are reached by the movie moguls in the production of Du Maurier's romantic tragedy "Peter Ibbetson". The picture is certain to please the groups which have been calling for moral uplift in the films, because it appears that all of the indelicate suggestion of Peter's illegitimacy have been deleted.

For a *raison-d'être* of "Gogo's" crime, the facile minds of Hollywood have substituted the more familiar, and hence undoubtedly more moral, triangular love affair with the wronged husband as the corpse. It was probably believed out on the Coast that since this form of moral turpitude had been already firmly fixed in the minds of our young, it could do little harm to use it just once more.

It has not yet been our pleasure to see the film itself; our knowledge of it is gained from newspaper reviews. But it would be interesting to see how these same facile minds pointed to some moral truth in the killing of a husband who was after all only defending the honor of his home.

It is a little difficult for us to see exactly how it could be explained that the unfortunate spouse deserved his fate. We recall very well that when the blackguardly Colonel was precipitately gathered to his fathers in the novel, we experienced a warm, murderous and uncivilized feeling of satisfaction. It was really too easy a fate for the black-hearted, hypocritical old liar, but attempts to portray wronged husbands in the same light should possess obvious difficulties.

Ah, but we live in a moving age. No longer is it right to kill in a fit of anger your guardian who has cast deep doubts on your legitimacy. However, outlooks really have broadened. Should you, for example, by some means rid yourself of the husband of the woman you love, the scenario writers of Hollywood will find you an excuse.

We begin to understand G. B. Shaw's remark that Hollywood was the most immoral spot he had ever visited.

## OPEN FORUM

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication nor does it necessarily endorse the opinions expressed. Only signed communications will be considered. However, if the writer so desires, only the initials will appear on publication.

Dormitories  
November 21, 1935

To the Editor of The Tech

Dear Sir:

In your editorial "Thorough Literature" in The Tech of November 19 you have attacked those of the student body who argue in favour of socialism, (or any other ism), on the grounds that we are engineers and know little or nothing about this outside world of economics.

Now those who advocate socialism do not claim to know all about it, but merely propose it as a scheme out of the present difficulties. No great knowledge of Marx is necessary to see that there are millions begging for food when we have more food than we know what to do with. Anyone who could find a way of supplying the starving with the excess food would be doing a great favour for humanity.

A minority of the people are convinced from what they have thought and read that they have the solution and are anxious to give it to the rest of the world. A large majority of the people take a "don't care" attitude on the world's problems and it is for this reason that we make so many mistakes. The few usually arrive at certain convictions. Some of them turn socialistic and some only change from Democrat to Republican.

True, most of their ideas are based on lack of knowledge or experience, but if so it is up to the rest of the world to show them where they are wrong, not advise them to remain silent because they know nothing about it. It is up to each individual to think

## OPEN FORUM

(Continued)

for himself on the world's problems and then see how he compares with that of others

Sincerely Yours,  
James H. Owens, Jr., XVI, '37.

The Graduate House

November 25, 1935

To the Editor of The Tech  
Dear Sir:

Serious students in the Graduate House have been perturbed by the playboy antics of a group of aliens from an island kingdom of the coast of Europe who style themselves students. No doubt these people when at home are fully entitled to pass languid criticisms of established institutions, but here their supercilious sneers are not appreciated. Whereas there is no doubt that our educational system is not "tophole" it is not so full of holes as they would have us believe. The empirical Europeans may complain at the excessive slide rule work here, but we would suggest that, had the designers of the first Quebec bridge been trained as well theoretically as the Americans who succeeded in bridging the St. Lawrence, the first bridge might not have failed. They may talk of "mass production" in education; but, had their training not been in schools where a reputation for brilliance is easy to attain, we feel they might not find the strain of following the courses here so depressing. Is the standard of their engineering to be set alongside the size of their midget automobiles?

In writing this, we bear these representatives of a truly great nation no malice, but rather would point out to them a few errors in their conduct which do not do justice to a country we genuinely respect. I am, truly yours,

Not an Ignorant Foreigner.



### Forget-them-not again

Certain of the third yearlings afflicted with 6.40 relate with unashamed tears the story of their betrayal at the weekly quiz last Friday. Seems ninety per cent of one class showed up all ready for their instructor to spot the quiz. The final bell sounded and they watched the door. One after another the remaining ten per cent of the class appeared. But no instructor. Ten past, quarter past twenty past the hour. Finally realized that they had been abandoned, the class left, a few at a time. Investigation revealed that the instructor had spent the time in E.E.lab., entirely oblivious of the fact that some twenty five souls went unprepared to their downfall. But, somewhat artistically, it wouldn't have done the class any good if their instructor had showed up. Because he had planned to discuss an entirely different phase of the work.

### Knowledge

Incidentally, another class returned from the quiz very irritated with the world in general and a certain department head in particular. "Where did Prof. Hudson ever get such a problem, one of the unfortunates queried." "Evidently, Prof. Hudson knows some things that are not in the book", he was told.

### They who wait

He stood outside the door of a room in "2". Through the gloom of the corridor his freshman tie gleamed redly. Flickerings of light on the glass panel of the door revealed to his active freshman mind, already thinking in terms of causes and effects, that his friend for whom he waited was detained by the motion pictures, evidently an unexpected part of the course. So he stood. Yawned, moved his center of gravity from time to time. The flickerings continued. But strangely, there was no sound from the room. No instructor's voice proving that class of '39 laugh as heartily as their fellow sufferers of two decades before at the same jokes. Finally he cautiously tried the door. It was open. He entered the room, and in the semi-darkness, his chagrined countenance was seen intermittently illuminated by the headlights of cars passing up Memorial Drive.

### Publicity

Great indeed is the fame of the Technology Date Bureau. The mentors of this activity, soon to become a major sport, now find it unnecessary to go out themselves for names and addresses. Only a few hours ago, two candidates from the Boston Teacher's College dropped in on the News Room to have their names added to the list. Interviewed by an enterprising reporter, they declared that they "were tired of staying home every night". Surprising as it may seem, there is no obvious reason why they should be left at home nights. We did want to run their names, but there is such an overwhelming sentiment against even publishing first names down here, that we bow to public opinion and request any one interested to see us personally. Of course, if the gals want the publicity everything is O. K. with us. Just send a lipstick as a signal, and we'll go ahead with the vital statistics, girls.

### Odds and ends

A member of the Dramashop cast being applauded by two whole rows of his frat brothers . . . heard in the subway . . . And they live in an atmosphere of fear . . . '39 with finals facing them maybe? . . . note to the dorm men . . . milk bottles are dangerous weapons as are even paper bags filled with water if one does not possess a well know name . . . definition . . . assault with a dangerous weapon is a sailor with a gun.

### Objectivity

Mr. Johnson O'Connor, telling a class of future-engineers—they—hope, why and whether they will be successful in life, divided personalities into two groups; objective and subjective. Artists, he remarked are those persons with eminently subjective personalities. Most women, he added, also have subjective personalities. "Question", cried Prof. F. Alexander Magoun from the front row. Seems the human engineer wanted to know why there were not more women artists than men. After some discussion the experts arrived at the conclusion that they didn't know the answer. Proving that woman as a piece of apparatus is still an unknown quantity.

### Brainstorms

In a day or so, the T.E.N. brain-storm contest results will show that freshmen aren't quite the perfect examples of vacuums as most upper-classmen believe. And incidentally, those men who hoped to see worthy competitors for Rube Goldberg's crown, will be disappointed. The designs are straight engineering problems, and are perfectly serious. Worthy of note is that course XVI came through with three winning ideas. These aeronauts! Not satisfied with their own field they even poach on the domains of the acid-stained chemist.

### Dramashop post mortem

Getting in early one night, we overheard a group of Sophs excitedly discussing the star of "Candlelight". "Yeh, she's really good looking, for a co-ed" and so on. The proud one finally ending by magnanimously offering to introduce his friends to her. We wonder.

We were present at the opening night, by the way. Enjoyed it very much. Despite the varying opinions of certain reviewers, we found the acting slightly better than we had expected, but still just a bit unfinished. All of the co-eds turning out consistently better performances than all of the male members of the cast.

Certain modifications of the original script we noticed with disapproval.

### Correction

We are sorry to state that we misjudged the Rogers cat. Having obtained our previous information from a disinterested go-between we somewhat unwisely stated that the animal was a masculine mouse trap. Records, however, indicate that our maligned friend was the proud mother of several offspring six months ago.

### Beauty

This commuters beauty contest will create a stir. But for real masculine beauty may we suggest the finishing school up the river. After all, while Tech men are supposed to have that rugged, granite-chinned engineering type of beauty that appeals to the gentle Gwens of fact and Tech Show, they have not been known to collect crowds just by standing around. Unless they're drunk.



## Reviews and Previews

### AT THE THEATRE

**COLONIAL**—Henrick Ibsen's *Ghosts* with Nazimova.  
**PLYMOUTH**—Three Men On A Horse, a comedy.  
**PEABODY PLAYHOUSE**—*Gods Of Lightning* with Norman Lloyd and Waldemar MacCredy.  
**COPLEY**—Mary Young and Elaine Barrie in *Katydid So What*.

### COMMENTS

At last! A true dramatic edifice, constructed by Henrick Ibsen half a century ago, stands as solid and as firmly imbedded in the souls of the many that have seen it as it stood when it threw Europe in an uproar in the early eighties. And the lead is taken by that famous Mme. Nazimova, an actress who assuredly knows her way up and down the hills and

vales of the epic *Ghosts*. *Ghosts* is still playing on Broadway with an inferior cast, where it has played for almost 25 weeks. It has played in Chicago for high unto 45 weeks—about 11 months. The cast that is with the Boston production is the best cast of the lot. *Ghosts* seems to be one of Ibsen's most dramatic features. It may not be the upsetting drama that it was when Ibsen gave it to the theatre, but it is still as powerful and still just as brilliant.

Variety again! And there still is refined comedy, a chance for one of the grandest set of laughs that may be had. *Three Men On A Horse* will remain in Boston for at least six more weeks. And it is going over in perfect style.

*Katydid So What* remains ever ready to give one a laugh along coarse lines. There is quite a bit of humor to the play but one needs to have an imagination although not much imagination is necessary.

Do you agree with the Sacco-Vanzetti indictment? *Gods Of The Lightning* is the story of the case . . . It starts from the murder and goes right through the trial and outcome thereof. The play was written by Maxwell Anderson and Harold Hickerson. No mention need be made as to the competence of Mr. Anderson's writing . . . it is, as far as I am concerned, beyond criticism.

I don't know whether or not this has anything to do with it, but the Second Annual Hobby Show will be held in Horticultural Hall from December 3 to the 7th.

## Scene At Concert Sunday Afternoon



The Wellesley Choir and M.I.T. Glee Club

### SYMPHONY HALL

Friday afternoon and Saturday evening, Dr. Koussevitsky and the Boston Symphony Orchestra will resume. Program includes the first performance of Albert Roussel's *Sinfonietta* for strings and Glazounov's seventh symphony in F major. Raya Garbousova, Russian concert 'cellist, will play the Haydn Concerto in D major. "Lilacs" by Professor Edward Burlingame Hill completes the list.

Next Sunday the famous Russian composer-pianist will give a concert in Symphony Hall. His program is: Beethoven's thirty-two variations in C minor, three sonatas of Scarlatti, the B minor Sonata of Chopin, and shorter pieces by Scriabin, Medtner, Borodin, Rubenstein, and Donhanyi. He will also play an etude and a prelude of his own composition.

### Tech-Voo Doo

(Continued from Page 1)

received the ball on the five yard line and exactly 10.2 seconds later crossed the "Meow Boy's" goal line for the first score. Not one hand had touched him in his straight run up the field. Chmielewski then kicked the extra point and the score was 7-0. Twice more Voo Doo kicked off and twice more Joe Smedile and Gus Strom repeated Webb's performance. Strom's time for 100 yards was 10 flat (attention Oscar Hedlund) and Smedile's time for 82 yards was 11.3 seconds. Chmielewski kicked the second point, but missed the third and the score now stood 20-0.

Since The Terrors were not in favor of continuing the track meet

they sent in their fourth squad, and when they scored in less than three minutes of play, the Tech boys sent in their fifth and last team with potato sacks tied over their legs. This was sufficient to keep the Newsies from scoring again.

The Phosphorus (must be a new brand of Rye) Boys made their score in the third period when Hoyt Steele made a forty yard touchdown run and then promptly passed out. The clean living Tech men who came within tackling distance of Steele were unable to withstand the bad liquor stench and no one came within three yards of the staggering Voo Doo flash in his jaunt. At the time of going to press Steele was still out.

After the Voo Doo score the game turned into an old fashioned potato race for the Newsies, and although they continually threatened they did not score. The game ended with The Tech on Voo Doo Fosshphrus, hic, schwelve yard, hic, line. Woo -oorup. Splish!

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## All-Tech Wrestling Tournament at Gym

### Faculty Members Eligible For Competition; Varsity To Be Barred

The annual All-Tech wrestling tournament will take place next week, November 5th and 6th, at the Hangar Gym. Anyone connected with Technology is eligible, including the faculty and graduate students, except those who have won letters in college wrestling. Jay Ricks, the wrestling coach, has taught the freshmen of the squad many of the fundamental holds, and he believes they will win the majority of the medals. It is the custom for some of the faculty to compete, and a big turnout of spectators is expected, to consist mostly of students who will enjoy seeing their professors on the mat. Co-eds will be restrained from competing in the tournament. Intercollegiate wrestling rules will prevail; that is, the man who stays on top by a time margin of more than one minute over his opponent in the ten-minute bout wins. The competition will also serve as an elimination to determine which of the freshmen will wrestle against Harvard in the first meet, December 14, at the Hangar Gym.

The prospects of the varsity are better this year than ever before. In the freshman squad, there is still opportunity for men in the 118 lb., 175 lb. and unlimited weight classes. Anyone who is interested is urged to report to the Hangar Gym. During this week of Nov. 25, any student who wishes to change his sport to wrestling may do so by seeing Mr. McCarthy in his office at the Walker Memorial.

## Freshmen Will Again Manage Open House

### Professor Pearson Believes It Valuable To Freshmen

That the "Freshman Hobbies" exhibit of last May's Open House was most "valuable" and "very successful" was stated by Professor Pearson, head of the English Department recently in an interview with a reporter of The Tech.

To illustrate the value of the exhibit besides that derived by the spectators in amusement and instruction, Professor Pearson said that it gave freshmen a splendid opportunity to become acquainted with other freshmen with unusual and valuable ideas. In spite of a popular belief to the contrary, Professor Pearson said that the Institute does try to foster originality among the first-year men and since this exhibit was made up of the original thoughts and ideas of freshmen, it was valuable as a lead to the creative work and research of later years.

Since most of the organizing of the exhibit was carried out by freshmen, he claimed that helping to run this exhibit was excellent training in leadership and administration. Professor Pearson also believed that this exhibit might be responsible to no little degree for bringing better and more original students to the Institute, because of the exhibit's ability to interest prospective students of this type.

## T. C. A. President Will Address Cambridge Y

James H. Schipper, '36, President of the Technology Christian Association, will address a dinner meeting of the Corporate Members of the Cambridge Y.M.C.A. tonight on the subject of the joint work of the T.C.A. and the "Y" with regard to Freshman Camp and the Tech Cabin.

Freshman Camp has been held every year for the last ten years on the property of the Y.M.C.A. at its Camp on Lake Massapoag. Tech Cabin was built five years ago on a piece of Camp land leased to the T.C.A. for a period of 99 years for payment of \$1.00. Tech students have full run of the Camp's 30 acres from September 1 to June 1, and the Y.M.C.A. has the use of the Cabin in connection with its boy's camp during the months of June, July, and August.

## Beaver Riflemen Open Schedule With A Win

The Massachusetts Institute of Technology Rifle team started out right where it left off last season as it won its opening match of the season last Friday. The sharpshooters' victim was the Yankee Division Rifle Team.

The shoot was held at the Tech range alongside Tech Field. The Beaver team, led by Captain Price, defeated their American Legion rivals in an interesting, fairly evenly-contested match.

## Frosh Victors In Interclass Meet

### '39 Entries Exceed Any Other, Points Almost Equal To Rest Combined

The freshman class, its entries outnumbering those of any other class, easily won the annual interclass track meet held last Saturday afternoon on the Tech Field and track. The frosh scored almost as many points as their combined adversaries.

Outstanding individuals were the high-scorer, Kites, '38; Cooper, '37, one mile and two mile winner; and Carleton who won the 100 and 220 dashes. Kites, in piling up his large score, took the broad jump, pole vault, 2nd in shot-put, 3rd in javelin throw, 4th in discus and fifth in the 220 run.

The times were exceptionally fast for a water-soaked track. The bad weather, however, did not hold down the entries in the lower classes. The frosh and Sophs had about 85% of the entrants. The complete results:

#### 100 Yard Dash

11 1/5 sec.	
1. Carleton	39
2. Houghton	37
3. Craig	38
4. Runkel	36
5. Corea	37
Nygaard	37

#### 220 Yard Dash

24 4/5 sec.	
1. Carleton	39
2. Houghton	37
3. Faatz	37
4. Coile	38
5. Corea	37

#### 440 Yard Run

57 sec.	
1. Klitgord	39
2. Carr	39
3. Schmidt	38
4. Smith, Liv.	38
5. Doten	39

#### 880 Yard Run

2:19.0 sec.	
1. Sabi	37
2. Cook	39
3. Dana	39
4. Spiller	39
5. Coile	38

#### 1 Mile Run

4:47 4/5 sec.	
1. Cooper	37
2. Krey	39
3. Wagner	36

#### 2 Mile Run

11:13 3/5 sec.	
1. Cooper	37
2. Ross	39
3. French	38
4. Viles	38
5. Farquhar	39

#### 220 Yard Low Hurdles

25.0 sec.	
1. Faatz	37
2. DeVoe	39
3. Walker	39
4. Sieradski	38
5. Kites	38

#### 120 High Hurdles

16 1/5 sec.	
1. Carr	39
2. DeVoe	39

#### Broad Jump

1. Kites	38	19' 5"
2. Hadley	38	19' 1"
3. DeVoe	39	18' 0"
4. Lindsay	38	17' 7"
5. Dobler	38	14' 10"

#### Shot Put

1. Kleiman	39	39' 7 1/2"
2. Kites	38	36' 11 1/2"
3. Lindsay	38	36' 9 1/2"
4. Schneider	38	36' 7"
5. Dobler	38	35' 1"

#### High Jump

1. Hadley	36	5' 6"
2. Ames	37	5' 4"
3. Lindsay	38	5' 4"
4. Hamilton	39	5' 2"
Schneider	39	5' 2"
Breyer	38	5' 2"

#### Javelin

1. Stearns	38	134' 8"
2. Ross	39	134' 1"
3. Kites	38	127' 2"

## Tech Wins First Basketball Game

### Jordan Marsh Chain Gang Is Defeated By Powerful Varsity Team

The M. I. T. Basketball team enjoyed its first practice game last Friday at the Hangar Gym against the Jordan Marsh Chain Gang. Although no score was kept it was evident to the spectator that the home team had the better of it. The Tech team is apparently rounding into a fine ball team.

This game gave Coach McCarthy an excellent chance to use all his available material. He has three full teams out, from which there is ample good materials for a first class varsity team. In spite of the absence of Lipsett, who was at Dramashop, and Denton, who was at the rifle match, the game showed a powerful team.

Basketball is now swinging into full activity. Up to now some of its members were occupied with other things, but now they are making basketball their first interest.

Among those who played in the game were: Garth, Thorton, Kangas, Wepler, Wu, Devereau, Des Jardins, Desarmend, and Barbarossa.

## With The American College Editor

### ADMINISTRATION DILEMMA

Politically speaking, there are roughly three groups of college men. Some want revolution—communism or socialism or whatever other ism has fired their imaginations. Some push hard in the other direction, and demand intellectual serenity and peacefulness. And the middle class, indifferent to both demands.

If we are one or the other of the two extremes, or well on our way toward one of them, we will either blame or praise the administration of the college, accordingly as the administration is lenient toward or hard against the policy we espouse.

We blame the administration, and seldom stop to think about the college authorities' point of view. It might be embarrassing then to some to read the statement of the case for the college as expounded by President MacCracken of Vassar.

Writing to the New York Times, MacCracken says, "The dilemma of the college administrator today is that whenever he endeavors to defend his college from use as a recruiting ground for political exploitation he is charged with tyranny and suppression of free speech; but whenever he defends the right of the students on their campus to free speech and assembly, and to listen to whom they will, he is charged with innumerable crimes, the least of which is disloyalty to the Constitution."

"... It remains true that active participation in the political arena has usually meant an end to scholarly career. The function of students is to study, and whenever political participation replaces study the university disintegrates."

"... Our platform may be summed up in three words: let students study."

—The Concordiensis

4. Beyer	39	111' 6"
5. Kleiman	39	97' 8"
Discus		
1. Barton	39	89' 0"
2. Ross	39	74' 6"
3. Kleiman	39	72' 0"
4. Kites	39	66' 6"
Pole Vault		
1. Kites	38	10' 6"
2. Sabi	37	
3. Schneider	39	
120 High Hurdles		
16 1/5 sec.		
1. Carr	39	
2. DeVoe	39	

## BALLROOM CLASSES IN THE LATEST STEPS

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## SPORTS COMMENT

We didn't realize until last night that only the winning Field Day team earned their class numerals as a reward for competing for the class. To your commenter, this seems grossly unfair as well as entirely contrary to the traditions and purpose of Field Day.

The losing team members have put just as much effort, just as much time in preparation for the struggle. They have fought just as hard in the actual contests. Yet they get no numerals. Why should not their work be rewarded as much as that of the victors. An athletic team which fails to win a contest is not deprived of its letters. But further than this, Field Day is not to determine the better class—it is primarily to promote inter-class rivalry and spirit and indirectly interest in Tech athletics. Surely the losing team members have done as much to achieve these ends as have the winners.

Our congratulations to the track house chieftains who do so well in breaking up the long winter grind for their team members. Coaches Bowie and Hedlund begin work each Fall with a track team which has no interscholastic competition scheduled until late in January of the coming year.

A long practice grind without an interim would destroy both the interest and spirit of the team members, so the coaches promote some kind of intramural competition practically every Saturday from October to January. One week there is a handicap meet, the next an inter-class meet, the next relay trials, etc. The boys continually have something to look forward to—something to prepare for in the immediate future. Their goal is not so far off that the preparation seems all work and no play.

Perhaps some of the other coaches faced with similar conditions could improve interest and spirit by paralleling the track mentors' scheme.

## "Materials And Men" Tells Value Of Activities To Tech Men

### Theme Written as Tau Beta Pi Admission Requirement; Best Of 19

*Editors Note: The following article was written by Clayton Monroe, Jr., '36, as one of the requirements for admission into Tau Beta Pi. Having been adjudged the best of nineteen articles submitted, it was selected to be read at the initiation banquet last night and to be published. Monroe was asked to answer the question, "What aspect of participation in extra-curricula activities is of most value to the student?"*

The small world, of which we are temporarily a part, may be divided into two spheres of influence—materials and men. From the viewpoint of society, and we who are a part of it, men dominate the world. Men govern themselves and use materials to their own best advantage. None of us can escape the reality that our lives are dominated, not by things, but by the people around us. As a result of this fact, our success in life is directly dependent upon our ability to understand men and women. Let us now see how this fact ties in with the question at hand.

Technology is frankly devoted to the study of materials. Within its walls one can learn about everything from the diminutive electron to the mighty Boulder Dam. At Tech one can explore the mysteries of mechanics or accounting systems, calculus or English grammar, molecules or business law. There is no doubt that Tech prepares its men to handle materials with a fair degree of facility.

When it comes to the more important question of understanding men, however, Tech's curriculum offers but little to its students. If a student who gets 32% on an accounting exam, openly curses his instructor, he is frowned upon, but he is not offered a course in the art of diplomacy. Tech has no such course because it would

deal with men—not materials.

Extra-curricula activities, on the other hand, have the happy faculty of providing invaluable experience in dealing with men. Whether the activity be crew or "The Tech", whether it be track or "Tech Show", the lessons in understanding one's associates are ever present. The crew man must learn team-work, and he must accept failure that was no fault of his own. Similarly, the "cub" reporter on "The Tech" must write to please the editor, while the editor, on his part, must encourage the young reporter. And so it goes throughout the entire field of extra-curricula activities; whether the participant be the boss, or the second assistant shoe-polisher of his particular activity, he is continually instructed in the art of human relations.

Thus, the great service of Tech is instruction in the use of materials, and the greater service of activities is instruction in the art of handling men.

### Undergraduate Notice

All Sophomores interested in entering competition for the position of Treasurer of the M.I.T. Athletic Association should report as soon as possible to Franklin P. Parker, '36, present treasurer of the M.I.T.A.A., or to Miss Fallon in the A.A. office, Room 306 of Walker Memorial.


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## Meeting Of A. S. M. E. To Be Held On Friday

### Prize Competition For Members Will Be Discussed

Prize competitions open to members of the Technology student branch of the American Society of Mechanical Engineers will be the subject of a society meeting to be held at 5 o'clock, Friday, November 29, in Room 5-330.

The biggest prize is \$150, known as the Charles T. Main award for the best paper on "Developments in the Generation and Distribution of Power and their Effect upon the Consumer." Two more awards of \$25 each will be made by the Society for papers on any engineering subject or investigation prepared by student members under the direction of the Mechanical Engineering department of their school. Papers for these three awards must be submitted to the Society not later than June 30, 1936.

Awards of \$50, \$25, and \$10 will be made at the New England Student Conference of A.S.M.E. members to be held next spring at Yale University. These awards will be for oral presentation of a technical subject. There are also the \$50, \$30, and \$20 awards of the Stratton Prize, competition for which is open to all Technology undergraduates.

These awards will be discussed in detail at the meeting Friday. There will also be a discussion of the possibilities of attending the Student Day of the Annual Meeting of the Society, December 4.

## Senior and Graduate Photos To Be Available Next Week

Prints of Senior and Graduate photographs for Technique will be available the week of Dec. 2-8 in Room 2-032.

An opportunity is still open for those who have not already had their pictures taken. Signups will be taken in Room 2-032 any time this week. This is the last chance for Seniors and Graduate Students to have their photographs taken for Technique.

## Bard's Club Dance

(Continued from Page 1)

dance to bring together the freshmen of many of the Greater Boston Colleges. Members of the Class of '39 of Technology, Harvard, Boston University and Northeastern have been invited. Tickets may be secured from various representatives in the freshman class or from John Iglauder in the Dormitory. Admission price will be \$2.00 per couple and \$1.25 stag.

## Stratton Prize

(Continued from Page 1)

In each course a faculty member has been chosen as advisor. It is suggested that all those interested in entering competition see the advisor for their course and the president of the Professional Society which they will represent.

All talks must be given before the appropriate Professional Society before March 1, 1936. Each group will then choose three contestants for the semi-finals. The faculty committee will prune this group down to six students, and the final elimination will be held on Class Day.

The list of course advisors follows:

I	Prof. John D. Mitsch
II	Prof. James Holt
III	Prof. Franklin L. Foster
IV	Prof. William Emerson
IV-A	Prof. William H. Lawrence
V	Prof. Miles S. Sherrill
VI	Prof. William H. Timble
VI-A	Prof. Gordon S. Brown
VII	Prof. Samuel C. Prescott
VIII	Prof. Julius A. Stratton
IX	Prof. Ralph G. Hudson
X	Prof. Thomas K. Sherwood
XI	Prof. Martin J. Buerger
XII	Prof. Evers Burtner
XIII	Prof. Harry M. Goodwin
XIV	Prof. Erwin H. Schell
XV	Prof. Joseph S. Newell
XVI	Prof. Walter C. Voss
XVII	Prof. Ralph D. Douglass
XVIII	Prof. David S. Tucker

Infirmary list  
Robert Baillie, Employee; Paul Sandorff, '39; R. Vose, Instructor

## Professor Frazier, At University of Kansas Speaks To Scientists

### Reads Paper On Development Of His Department At Institute

Professor R. H. Frazier of the Department of Electrical Engineering, who is on exchange at the University of Kansas for the present academic year, presented a paper a week ago last Saturday before the fall meeting of the Kansas-Nebraska Section of the Society for the Promotion of Engineering Education at Lincoln, Nebraska. Professor Frazier discussed the history of the development and the method of operation of the honors group in the Department of Electrical Engineering at the Institute. He has had contact with this educational development almost from its inception and is therefore often called upon to discuss it before the meetings of educational societies.

Professor Frazier is spending the academic year in the Department of Electrical Engineering at the University of Kansas at Lawrence.

On exchange with Professor Frazier, Professor Robert W. Warner is at the Institute in the Department of Electrical Engineering. Professor Warner is a graduate of Washburn College and the University of Kansas. In addition to his teaching experience at the University, Professor Warner has had considerable engineering experience with Henry L. Doherty. The Topeka Edison Company, the General Electric Company, and the Kansas City Power and Light Company. During the current term he is teaching Alternating Current Machinery and the Associated Laboratory to the seniors in Course VI and VI-C.

## Ideal Progress Club To Meet In Walker

### M.I.T. Alumni At Lever Bros. Will Gather Tonight

The "Ideal Progress Club", composed of Technology alumni in the employ of Lever Brothers Company and their wives and sisters, will hold its annual get-together meeting tonight at 6 o'clock in North Hall, Walker Memorial. There will be a dinner meeting and after the meal the evening will be devoted to conversation and bridge. Mr. William Carlisle, head of the Walker Dining Service said last night.

Lever Brothers is an industrial firm which has always supported Technology in the research work it carries on, the opportunities it affords graduate students, and the positions it offers alumni.

Never argue with an undertaker. He always gets in the last dig.

## Dean Emerson's Dictionary Is Subject Of Woolcott Tale

One of those "tall stories," in which an article suddenly turns up in unusual circumstances after a number of years, was told concerning Dean William Emerson of the Architectural School by Alexander Woolcott, in a broadcast Sunday evening.

At the beginning of the World War, Dean and Mrs. Emerson, then in France, invited to their home in America a daughter of a family of Belgian refugees. As a sailing present she received from her father a French dictionary, which she was avidly reading just before the boat sailed.

The Dean, noticing her efforts, reminisced with her about his experiences while studying French at Harvard, recalling that he had used just such a French dictionary as she had. He took the book from her, thumbed through it for a moment or so, and then turned to the cover. On it was written, in faded ink, "William Emerson—1880"

## Carnegie Institute

(Continued from Page 1)

search in many fields. Of special interest at Technology is the work of President Compton and Professor Joseph C. Boyce, who for several years have been engaged in a study of the spectroscopy of the extreme ultra violet, under a grant by the Carnegie Institution.

Ordinary photographic methods of spectroscopy can be used for the octave of frequencies of light above those which are visible to the eye, but, at higher frequencies, that is, shorter wave lengths, air becomes opaque and investigations must be carried on in an evacuated container. The difficulty of attaining a vacuum in large chambers had formerly limited the accuracy of results.

A grant from the Carnegie Institution in 1929 made it possible for Dr. Compton and Professor Boyce to proceed with the construction of a vacuum spectrograph which gives a considerable increase in accuracy over a broad range of wavelengths. This apparatus is in the Institute's spectroscopy laboratory and has made possible a revision of the standards of wavelengths in the region for which it was designed.

The new cosmic ray meter, recently installed at the Institute following its development at the University of Chicago under the direction of Dr. Arthur H. Compton, President Compton's brother, was also made possible by a grant from the Carnegie Institution, which is sponsoring a worldwide study of variations in the intensity of cosmic radiation.

## '38 Field Day Numerals Are Ready For Distribution Now

Field Day numerals earned by the members of the winning Class of 1938 are ready for distribution today. General Manager John B. Pitkin announced that the numerals may be obtained in Room 310 in Walker Memorial. This is the M.I.T.A.A. Committee Room on the third floor.

Those who are entitled to letters are all managers, the crew and coxswain, the relay team and two substitutes, and the tug-of-war team and two substitutes. These men may obtain their numerals by calling at the Room named above.

## Charles River Freezes

(Continued from Page 1)

ber 14; 1927, December 7; 1928, December 9; 1929, December 5; 1930, December 16; 1931, December 6; 1932, December 11; 1933, December 14; 1934, December 12. Note that in the severe weather of 1933-34 the first ice did not appear until December 14.

## Brainstorm Contest

(Continued from Page 1)

tween Italy and Great Britain, and the use of the air mail for the shipment of all first class mail. As is the usual custom, the latest developments in the engineering field are presented in the Engineering Digest, and the progress of research at the Institute is outlined in the Research in Review page.

## 5:15 Club

(Continued from Page 1)

by the bird himself. The couples will form a ring around the turkey and the pair chosen by the prize itself will be given the bird. The contests will start at half past ten.

The dance is free to all members of the 5:15 Club, who will be required to show their membership cards at the door; the admission price is one dollar to all others. Tickets and memberships, either one dollar, will be on sale in the Main Lobby from 12 to 2 today and tomorrow.

The members of the committee in charge of the dance are Richard A. Denton, '36, Hyman Brettman, '37, Milton Lief, '37, and G. Maurice Levy, '37.

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## Perkin Medal Awarded To Dr. Warren Lewis Institute Professor

### Medal, Awarded By The Society Of Chemical Industry, Is High Honor

The Perkin Medal, founded in 1906 in honor of Sir William Perkin, will be awarded for 1936 to Dr. Warren K. Lewis, '05, of the Institute Department of Chemical Engineering. The medal, which is one of the highest honors in chemistry, is presented by the American Section of the Society of Chemical Industry.

Those who have received this medal in the past include E. G. Acheson, Leo H. Hackland, the late Arthur D. Little, and Willis R. Whitney.

The medal will be presented on January 10 at a meeting of the Chemical Club in New York when Dr. Lewis will present a paper on the "Application of Physical Data to High-Pressure Processes".

Dr. Lewis is distinguished for his contributions to research in industry, particularly in the fields of petroleum and leather manufacture. He is an honorary member of the British Institution of Chemical Engineers, and has been active in the Division of Industry and Engineering Chemistry of the American Chemical Society.

## Biological Society's Outing Called Off

The Tech Cabin outing planned for last week-end by the Sedgewick Biological Society was called off because of the bad weather, according to James L. Abdou, '36, President of the Society, who said that another outing would probably be arranged next spring.

## AGAIN THIS YEAR



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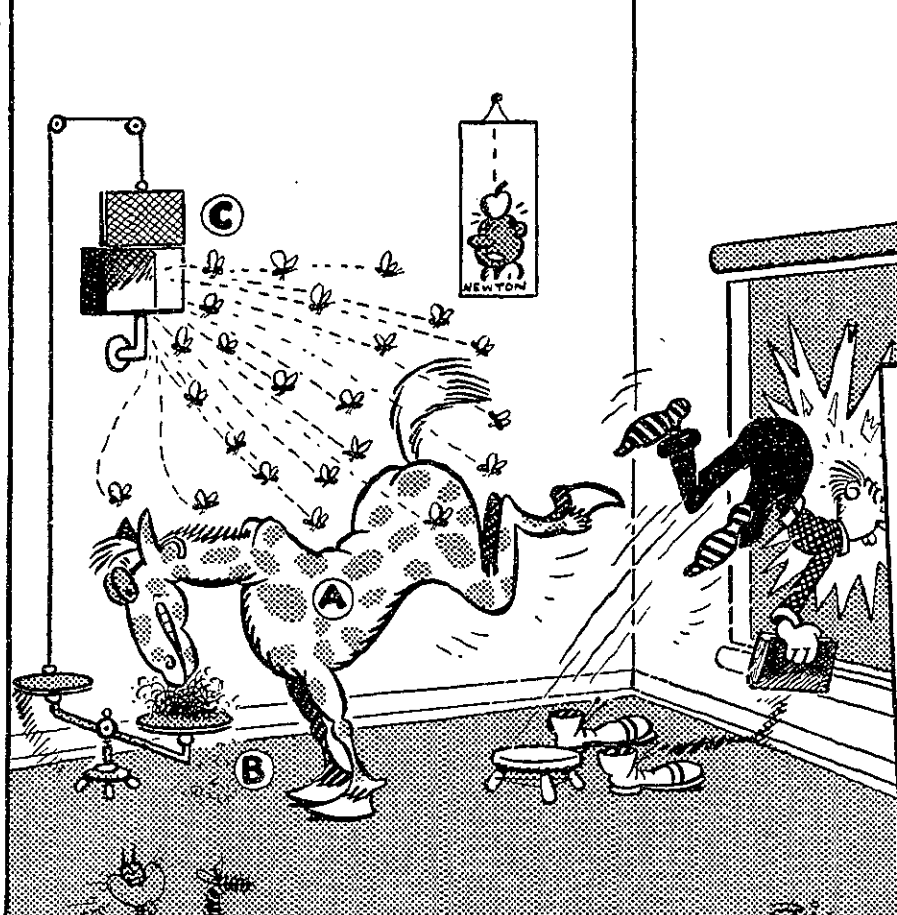
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## EASY WAY TO STUDY LAW OF GRAVITY

HORSE (A) WEARING GREEN GLASSES SEES EXCELSIOR (B). THINKS IT IS GRASS AND EATS IT THUS OPENING CAGE (C) AND RELEASING HORSE FLIES. HORSE BECOMES ANGRY AND KICKS STUDENT THROUGH WINDOW AND HE CAN STUDY LAW OF GRAVITY ON WAY DOWN



## ..AND AN EASY WAY TO ENJOY A PIPE



HERE'S MY ANGLE—I SMOKE FOR PLEASURE, SO WHY NOT SMOKE P.A. AND ENJOY THE BEST!

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## CALENDAR

Tuesday, November 26

5:00. M.I.T. Athletic Association Meeting.  
5:30. "Ideal Club" Meeting, North Hall, Walker Memorial.  
8:00. Geological Society Meeting, North Hall, Walker Memorial.

Wednesday, November 27

9:00. Commuters' Club Thanksgiving Dance, Main Hall, Walker Memorial.

Friday, November 29

7:00. Rifle Team vs. U. S. Marine Corps.

Monday, December 2

Freshman P.T. Track Competition Begins.

### Tucker

(Continued from Page 1)

trends and to making recommendations."

"The slum is a social liability and the problem of clearance is basically a problem of social regeneration," he said to The Tech yesterday. "The income of the slum group is so low that the people can't pay even the minimum rent of \$3.00 per room per month. If a family is to live at all comfortably, it must pay a minimum rent of about \$7.00 per room per month."

"The only way out is by subsidizing housing. This is on all fours with schools and hospitals. The gap of \$4.00 per room per month should be paid out of taxes," he declared.

"A slum area is over-populated. In the North End in Boston, for example, 25,000 people dwell on approximately 50 acres of land; or, in general 125 families are contained within an acre. In all of the English developments a maximum density of only 12 families to the acre is allowed. This means that each acre in the North End is over-populated by 113 families!"

But in the opinion of Prof. Tucker, the government must not build apartment houses whose rentals are so far beyond the scope of the slum dweller, as it has proposed to do in South Boston, or in Cambridge where land costs \$9500 per acre. Within a radius of six miles of Cambridge,

good land may be bought for \$500 per acre.

The building construction professor stated further

"The slum is the focal point of crime and disease.

"Its people who are faced with poverty, must be helped. To suggest the removal of these people to dwellings which are vacated by the upper class because of the inconveniences produced by modern trends in living is merely to suggest the creation of another slum. Liveable dwellings must be built whose rentals to the poor must be helped with funds provided by society.

"The rehabilitation of blighted areas is the next important step in the housing problem. The houses in these areas were built for a condition that no longer exists. They do not contain any of the modern equipment, the sunshine, the ventilation, and the conveniences which the people of today desire. As a result, people who should live in these sections, near their work don't and instead they trudge a weary way to and from the city each day. These buildings stand on highly appraised land—land which could be developed into more worthwhile projects."

#### Can Build Home For \$3600

Professor Tucker's contention is that those with incomes between \$1800 and \$2500 per year—comprising about 25,000,000 people in the United States—should own their own homes. And Professor Tucker emphatically states that he can build

### Discusses Housing



Professor Ross F. Tucker

a six room house for \$3600—a house that is within the income of this group. Included in his ideas are plans for building whole communities of 1500 houses on desirable land divided into sections by winding roads. Each house would be built on a plot of 10,000 square feet. Trees, shrubbery, lawns, and flowers would add to the beauty. Private enterprise could plan such a community which would be controlled by a "Managing Board", composed of capable and honest business men. All politicians must be eliminated.

#### Promises Security

In the plan of the Tech professor, security is assured both to capital investors and home owners. For the first groups, he proposes:

1. Direct title to the entire property until fully amortized.
2. The building up of a cash guarantee fund behind the amortization and interest funds, so that, if at any time there is any default on the part of any home owner in the payment of his monthly installment, the amount accruing to the amortizations and the in-

terest fund is immediately paid from the guarantee fund

His plan promises security to homeowners by the following six points:

1. By spreading the financial load over 20 years, through the payment of a monthly installment covering all charges, interest amortization, guarantee fund, insurance, taxes, and overhead.
2. By the accumulation of an insurance fund that will provide him with an extension of time for the payments of his monthly installment, in case of death, sickness or unemployment, by cancelling them entirely under certain circumstances and for definite limits of time, in order to give the home owner ample opportunity for making readjustment without danger of losing his home.
3. A cash fund in hand at the end of the term with which to renovate or rebuild the house.
4. The ability to sell his home for its earned value, for cash, at any time by application to the Management Corporation. His investment is thus rendered always liquid.
5. Protection against greed or selfishness on the part of neighbor.

#### Organized Fraternity

Professor Tucker, a builder of some of New York's sky-scrapers, has spent years studying the housing problem about which he has written several articles. When he came to Tech in 1889, he organized the first fraternity house on the campus, because he found living quarters very squalid in what was known as "Hash Alley". That fraternity, the Chi Phi, is still in existence.

After graduating from the Institute, he had considerable experience in the industrial world; was associated with the founding of the concrete industry; and served for seven years on the Executive Committee of the General Arbitration Board be-

tween unions and manufacturers in New York City.

During the war, he built the U. S. Explosives Plant at Nitro, West Virginia, in nine months. He has always been a pioneer and an organizer. He must always be building something; it does not matter whether it is building up a business, exploiting a new form of construction, or organizing a new course in engineering.

### Obie Dennison Will Entertain At Dinner

O. B. "Obie" Dennison, best known to Institute men as the man who runs Freshman Camp (to all outward appearances, at any rate) will entertain members of the Cushing Academy football squad at a victory banquet in their honor tonight in Ashburnham, Mass. Wallace "Wally" Ross, General Secretary of the T.C.A. will be one of the speakers.

### Tau Beta Pi

(Continued from Page 1)

tions on oil shipments yet, but if the United States were to put an embargo on oil to Italy, the rest of the nations would do likewise. Italy, to whom oil is a vital necessity, would feel its loss to the extent of ending the war, as she has only three months supply on hand. Mr. Smith inferred that it was not the saving of Ethiopia for the Ethiopians that was important, but that a dangerous precedent would be set. The president of the Tau Beta Pi, local chapter, declared that it was the best speech he had heard in quite a while.

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